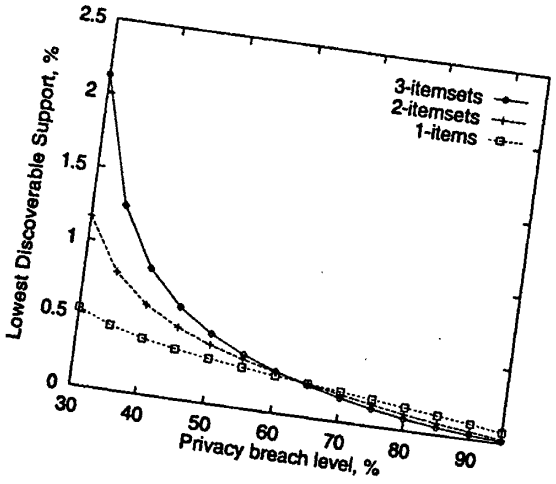

Figure 1

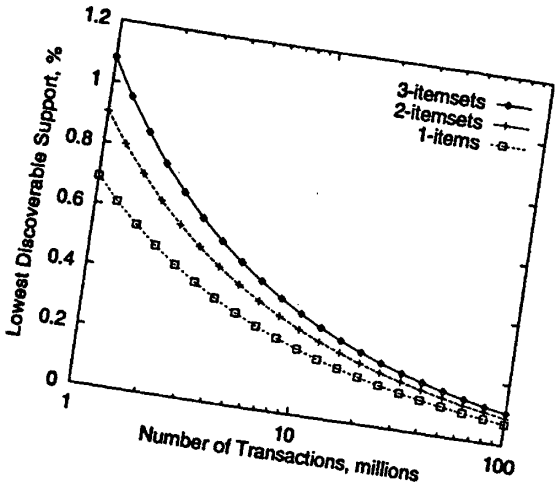

Figure 2

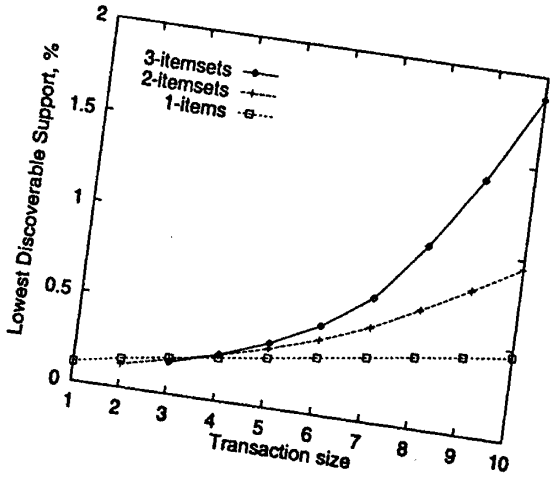

Figure 3

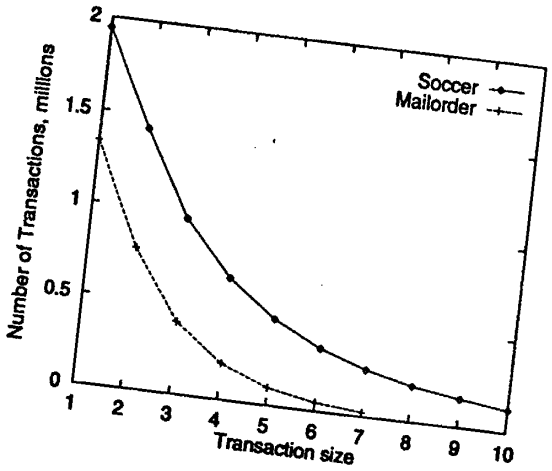

Figure 4

For soccer: Figure 5

m	1	2	3	4	5	6	7	8	9	10
K_m	7	7	7	7	7	7	7	7	7	7
ρ_m%	4.7	16.8	21.4	32.2	35.3	42.9	46.1	42.0	40.9	39.5

and for mailorder were:

m	1	2	3	4	5	6	7
K_m	7	7	7	7	7	7	7
ρ_m%	8.9	20.4	25.0	33.4	43.5	50.5	59.2

Figure 6

Figure 7

(a) mailorder, 0.2% minimum support

Itemset Size	True Itemsets	True Positives	False Drops	False Positives
1	65	65	0	0
2	228	212	16	28
3	22	18	4	5

(b) soccer, 0.2% minimum support

Itemset Size	True Itemsets	True Positives	False Drops	False Positives
1	266	254	12	31
2	217	195	22	45
3	48	43	5	26

Figure 8

Figure 9

(a) mailorder, $\geqslant 0.2\%$ true support

		predicted support			
size	Itemsets	<0.1	0.1–0.15	0.15–0.2	$\geqslant 0.2$
1	65	0	0	0	65
2	228	0	1	15	212
3	22	0	1	3	18

(b) soccer, $\geqslant 0.2\%$ true support

		predicted support			
size	Itemsets	<0.1	0.1–0.15	0.15–0.2	$\geqslant 0.2$
1	266	0	2	10	254
2	217	0	5	17	195
3	48	0	1	4	43

Figure 10

Figure 11

(a) mailorder, $\geq 0.2\%$ predicted support

		true support			
size	Itemsets	< 0.1	0.1–0.15	0.15–0.2	≥ 0.2
1	65	0	0	0	65
2	240	0	0	28	212
3	23	1	2	2	18

(b) soccer, $\geq 0.2\%$ predicted support

		true support			
size	Itemsets	< 0.1	0.1–0.15	0.15–0.2	≥ 0.2
1	285	0	7	24	254
2	240	7	10	28	195
3	69	5	13	8	43

Figure 12

Figure 13

soccer

Transacti n size:	1	2	3	4	5	6	7	8	9	10
W rst Average:	1: 4.4%	2: 20.2%	3: 39.2%	4: 44.5%	4: 43.9%	4: 37.5%	4: 36.2%	4: 38.7%	8: 51.0%	10: 49.4%
W rst f th Worst:	1: 45.5%	2: 45.4%	3: 53.2%	4: 49.8%	5: 49.7%	5: 42.7%	5: 41.8%	5: 44.5%	9: 66.2%	10: 65.6%

mailorder

Transaction size:	1	2	3	4	5	6	7
Worst Average:	1: 12.0%	2: 27.5%	3: 48.4%	4: 51.5%	5: 51.7%	5: 51.9%	6: 49.8%
Worst of the Worst:	1: 47.6%	2: 51.9%	3: 53.6%	4: 53.1%	5: 53.6%	6: 55.4%	7: 51.9%

Figure 14